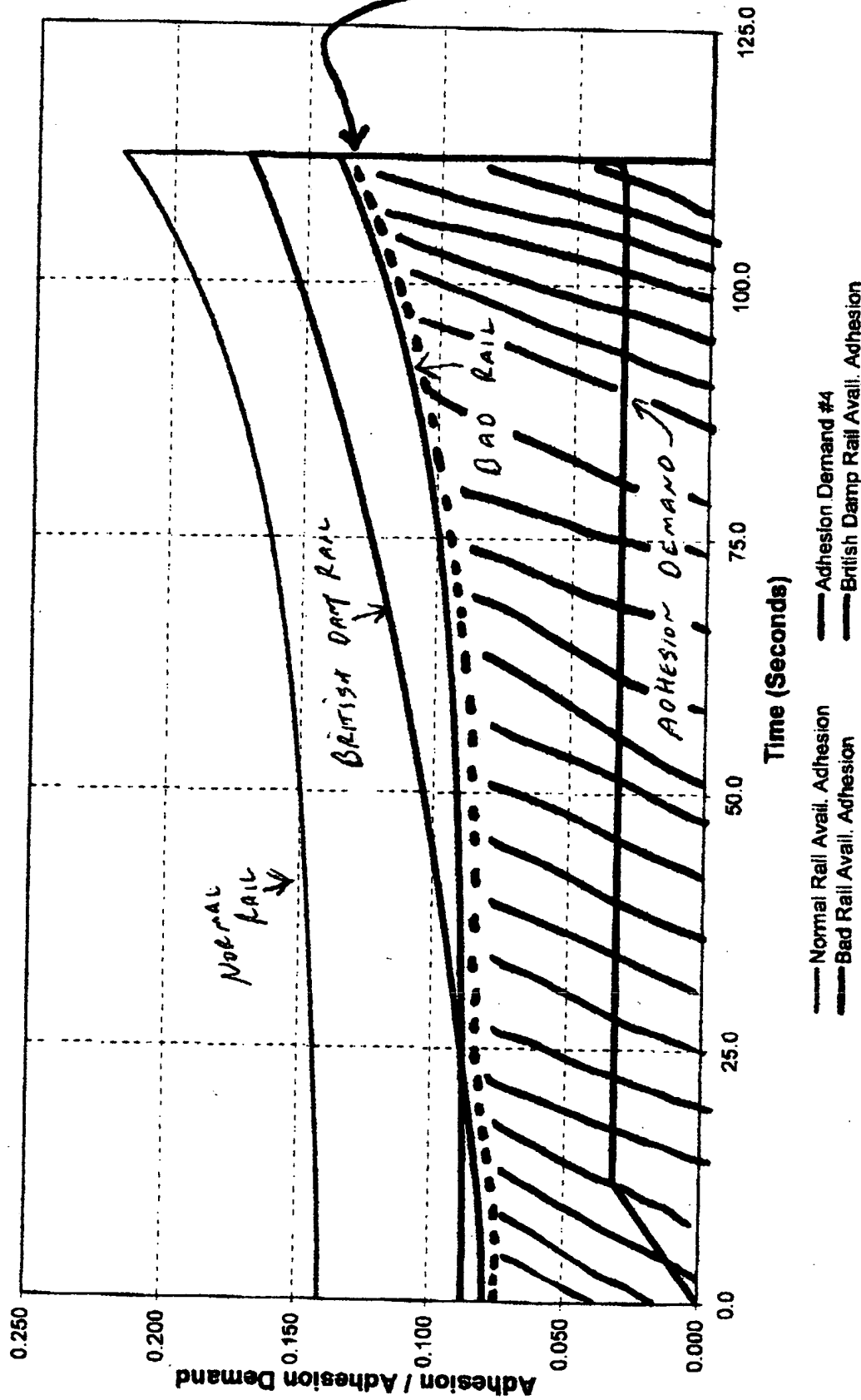


Chart #4 - US Full Service / 286K GRL / 13.0% NBR  
Theoretical Single Car Stop / Level Grade

FIG ①



\* SHORTEST STOP WITH OUT WHEEL SLIDE WOULD OCCUR BY TAKING FULL ADVANTAGE OF AREA UNDER ADHESION CURVES WITH YOUR ADHESION DEMAND!  
↳ RETARDATION FORCE / CAR WEIGHT

**Chart #1 - US Full Serv. / 52,260 Lt. Wt. / 38.0% NBR**  
**Theoretical Single Car Stop / Level Grade**

Fig 2

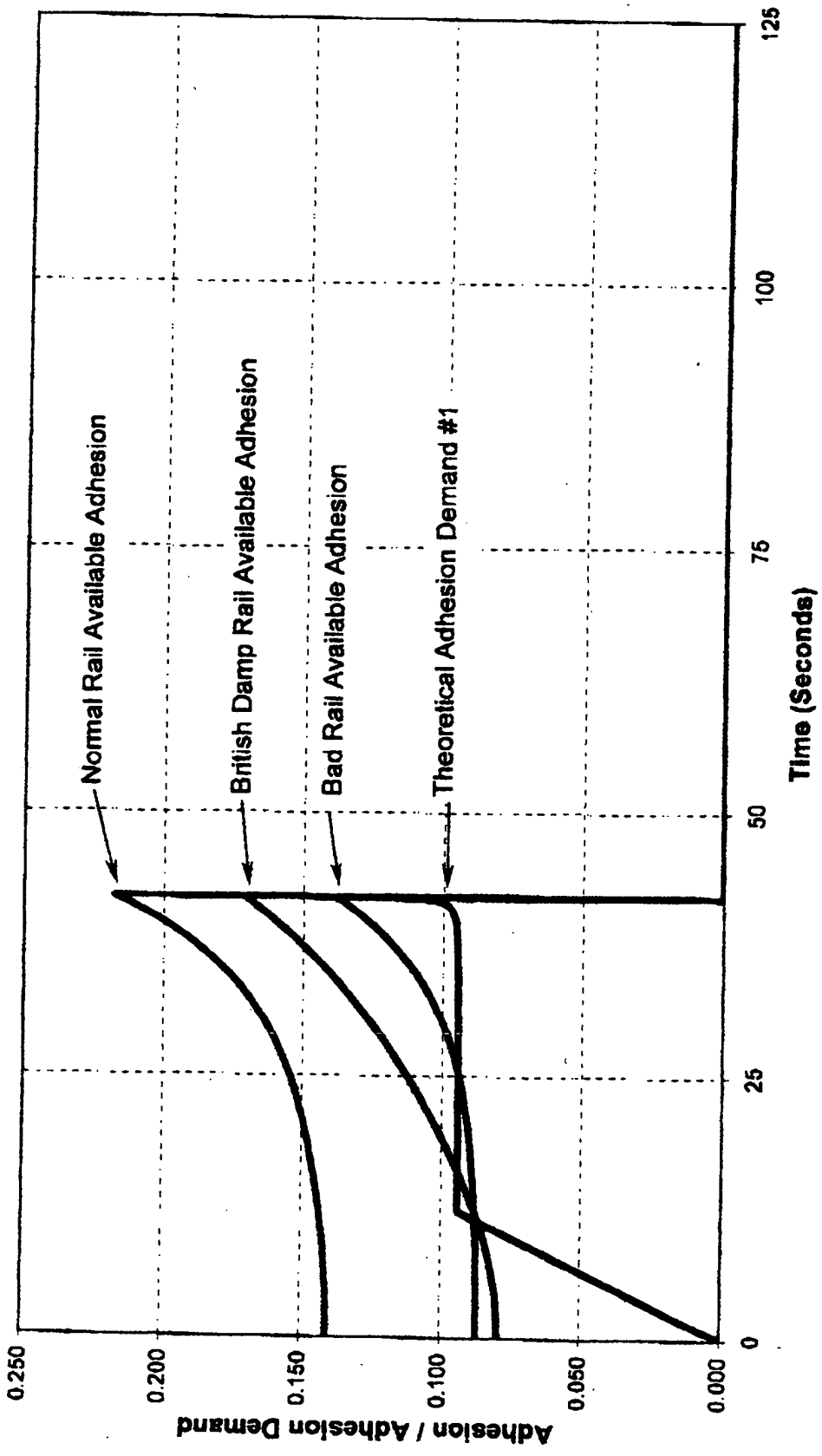
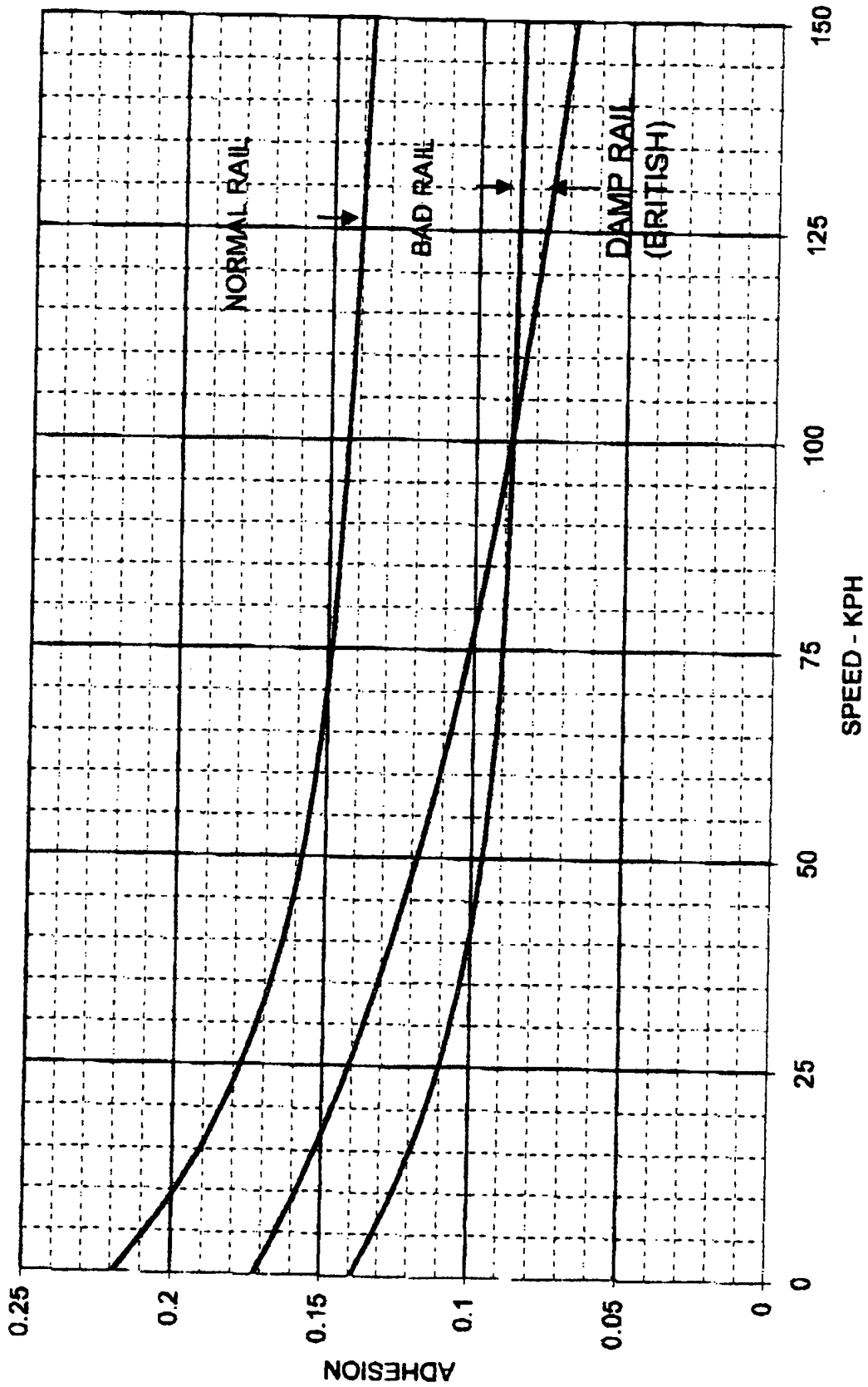


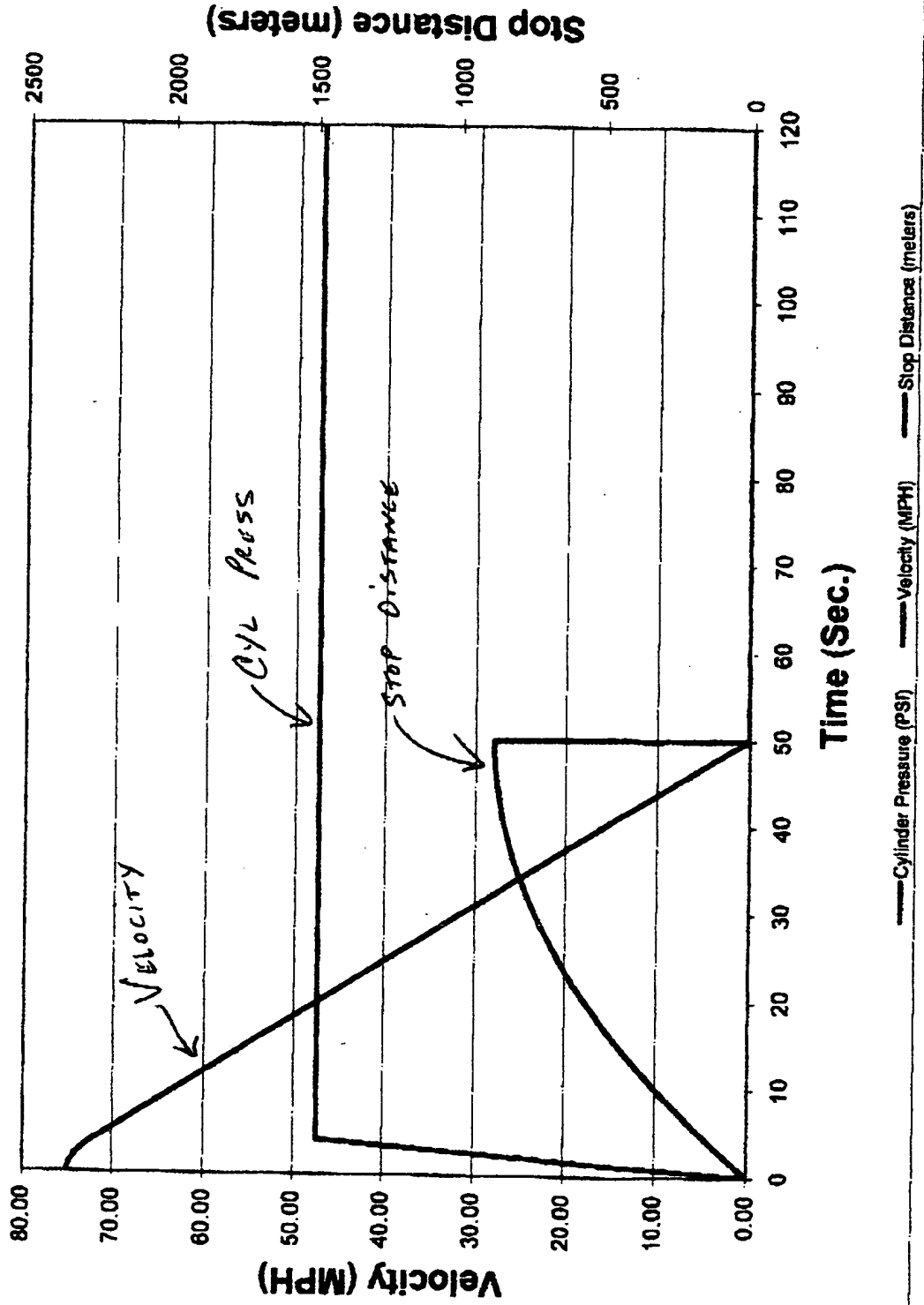
Fig 3

STANDARD ADHESION CURVES



# Braking Analysis

Fig. ④

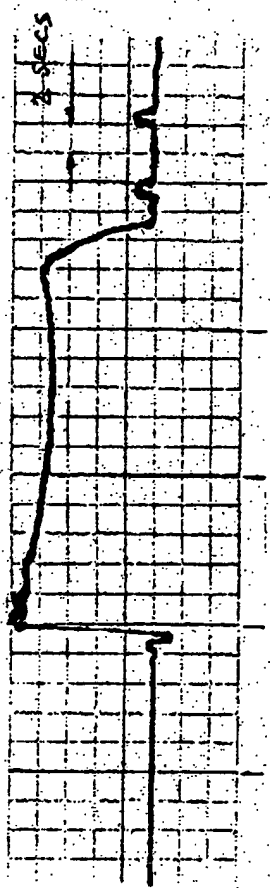


mcd

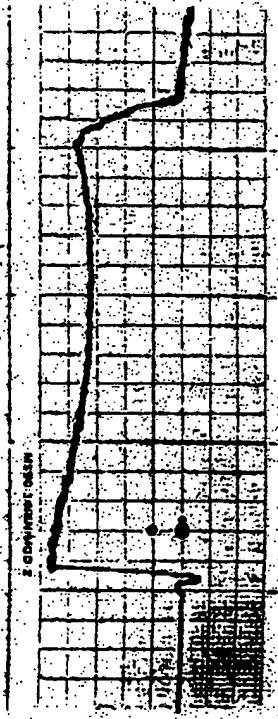
0.00 0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 0.18 0.19 0.20 0.21 0.22 0.23 0.24 0.25 0.26 0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35 0.36 0.37 0.38 0.39 0.40 0.41 0.42 0.43 0.44 0.45 0.46 0.47 0.48 0.49 0.50 0.51 0.52 0.53 0.54 0.55 0.56 0.57 0.58 0.59 0.60 0.61 0.62 0.63 0.64 0.65 0.66 0.67 0.68 0.69 0.70 0.71 0.72 0.73 0.74 0.75 0.76 0.77 0.78 0.79 0.80 0.81 0.82 0.83 0.84 0.85 0.86 0.87 0.88 0.89 0.90 0.91 0.92 0.93 0.94 0.95 0.96 0.97 0.98 0.99 1.00

5

1-16



TEST 14  
58.8 mile/h



TEST 12  
65.5 mile/h



TEST 10  
72.9 mile/h

Change in Deceleration  
Due to Brakes  
5000-10000

Deceleration

100' 90' 80' 70' 60' 50' 40' 30' 20' 10' 0'  
 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

Chart #1 - US Full Service / 25.0% Lk WL / 25.0% NBR  
 Theoretical Single Car Stop / Level Grade

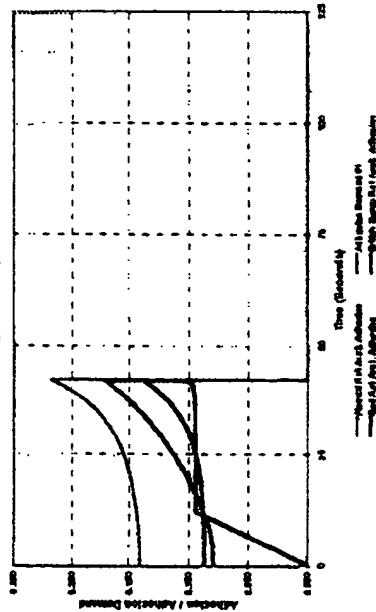


Chart #2 - US Emergency / 52.5% Lk WL / 45.0% NBR  
 Theoretical Single Car Stop / Level Grade

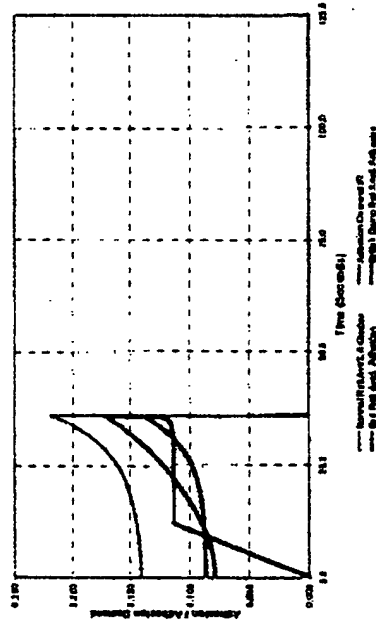


Chart #3 - US Emergency / 25.0% Lk WL / 45.0% NBR  
 Theoretical Single Car Stop / Level Grade

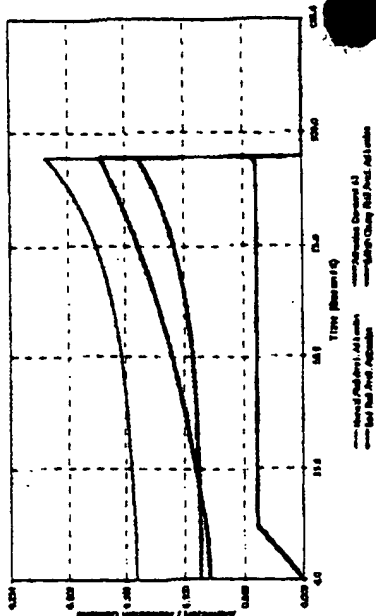


Chart #4 - US Full Service / 25.0% Lk WL / 25.0% NBR  
 Theoretical Single Car Stop / Level Grade

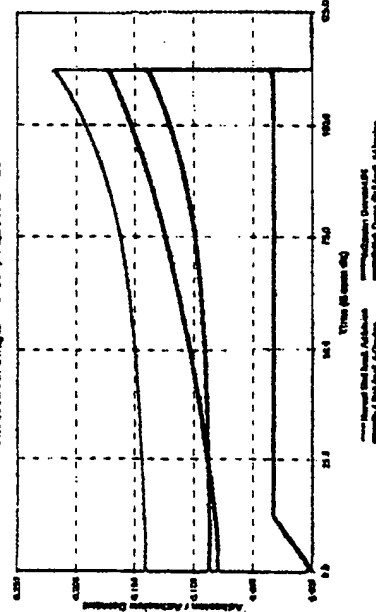


Chart #5 - UK Full Service / 52.5% Lk WL / 45.0% NBR  
 Theoretical Single Car Stop / Level Grade

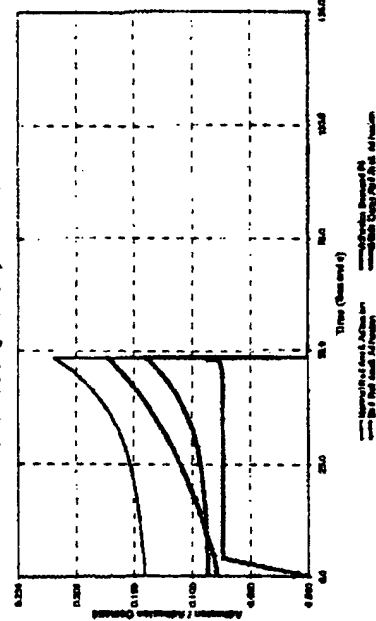


Chart #6 - UK Emergency / 25.0% Lk WL / 45.0% NBR  
 Theoretical Single Car Stop / Level Grade

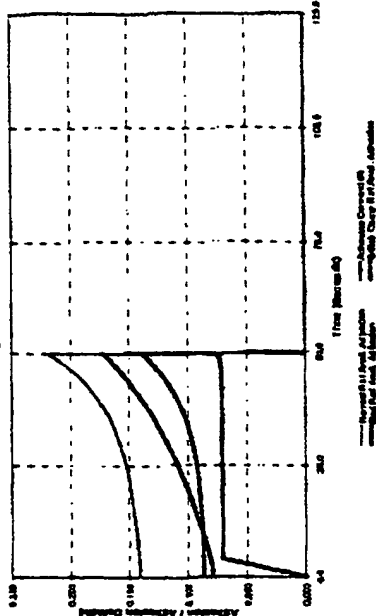
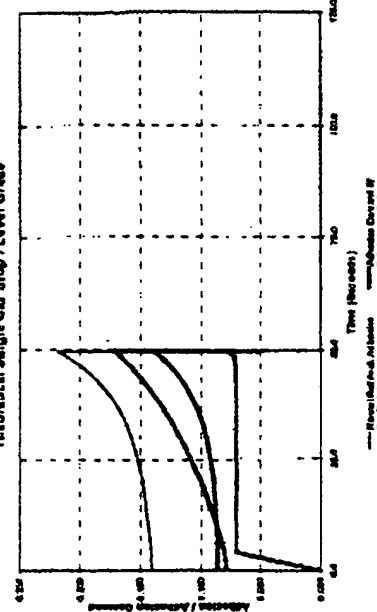


Chart #7 - UK Emergency / 25.0% Lk WL / 25.0% NBR  
 Theoretical Single Car Stop / Level Grade



1. The data in this chart is based on the results of the tests conducted on the vehicle equipped with the 1021 engine.

Chart #8 - Single Car Stop Distances

